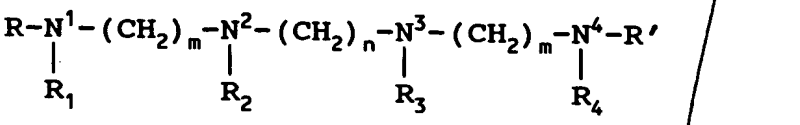
"ANTI-HYPERTENSIVE COMPOSITION AND METHODS OF TREATMENT"

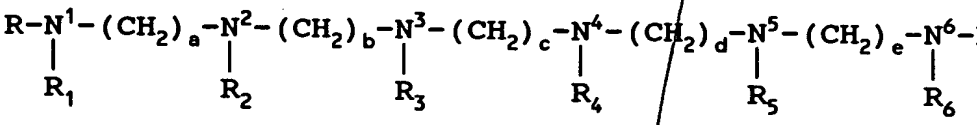
I CLAIM:

BEST AVAILABLE COPY

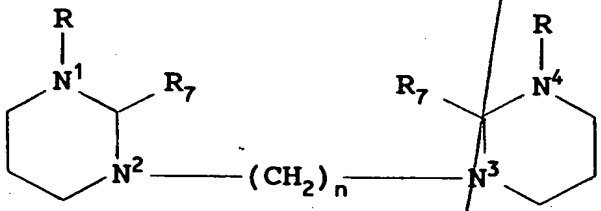
1. A pharmaceutical composition for the treatment of hypertension comprising an effective anti-hypertensive amount of at least one compound in association with a pharmaceutically acceptable, substantially non-toxic carrier or excipient; said compound having one of the formulae:



(I);



(II);



(III);

wherein: R and R′ may be the same or different and are H, alkyl or aralkyl having from 1 to 12 carbon atoms;

R_1 - R_6 may be the same or different and are H, R or R′;

R_7 is H, alkyl, aryl or aralkyl having from 1 to 12 carbon atoms;

BEST AVAILABLE COPY

m and n may be the same or different and are integers from 3 to 10, inclusive;
a - e may be the same or different and are integers from 3 to 10, inclusive;

or

(IV) a salt of (I), (II) or (III) with a pharmaceutically acceptable acid.

2. A composition according to claim 1 wherein m is 3 and n is 4.

3. A composition according to claim 1 wherein m and n are 3.

4. A composition according to claim 1 wherein m and n are 4.

5. A composition according to claim 1 wherein R and R′ are alkyl.

6. A composition according to claim 1 wherein R and R′ are aralkyl.

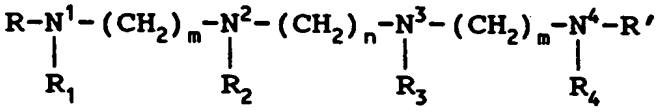
7. A composition according to claim 1 wherein R and R′ are methyl.

8. A composition according to claim 1 wherein R and R′ are ethyl.

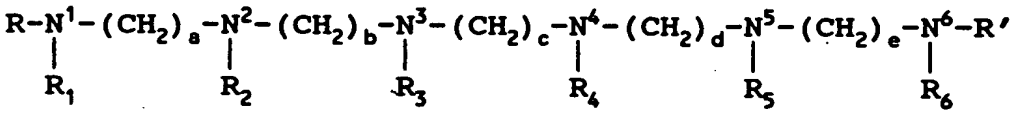
9. A composition according to claim 1 wherein R and R′ are propyl.

10. A composition according to claim 1 wherein R_1 and R_6 are benzyl.

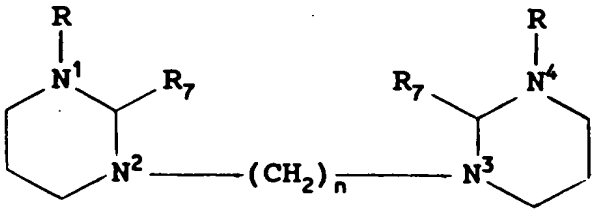
11. A method of effecting anti-hypertensive action which comprises administering to a patient requiring anti-hypertensive effect at least one compound having one of the formulae:



(I);



(II);



(III);

wherein: R and R′ may be the same or different and are H, alkyl or aralkyl having from 1 to 12 carbon atoms;

R_1 - R_6 may be the same or different and are H, R or R′;

R_7 is H, alkyl, aryl or aralkyl having from 1 to 12 carbon atoms;

m and n may be the same or different and are integers from 3 to 10, inclusive;

a - e may be the same or different and are integers from 3 to 10, inclusive;

or

(IV) a salt of (I), (II) or (III) with a pharmaceutically acceptable acid.

12. A method according to claim 11 wherein m is 3 and n is 4.

13. A method according to claim 11 wherein m and n are 3.

14. A method according to claim 11 wherein m and n are 4.

15. A method according to claim 11 wherein R and R' are alkyl.

16. A method according to claim 11 wherein R and R' are aralkyl.

17. A method according to claim 11 wherein R and R' are methyl.

BEST AVAILABLE COPY

18. A method according to claim 11 wherein R and R′ are ethyl.

19. A method according to claim 11 wherein R and R′ are propyl.

20. A method according to claim 11 wherein R and R′ are benzyl.